### Transit Asset Management Plan (FY2019-2023)

MUNCIE INDIANA TRANSIT SYSTEM September 2018



Muncie Indiana Transit System 1300 E Seymour St Muncie, IN 47302 765-282-2762 www.mitsbus.org

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### 1. INTRODUCTION

### **Purpose**

The Muncie Indiana Transit System (MITS) operates a fleet of public transit vehicles which include full-size, heavy duty buses operated in fixed route service and light duty vehicles used in the provision of paratransit service. Administrative, maintenance and passenger transfer facilities are also required for the operation of these services. These capital assets are critical to the safety and performance of the MITS public transportation system. MITS has recognized that when these assets are not in a state of good repair, the consequences include increased safety risks, decreased system reliability, higher maintenance costs and lower system performance. MITS has managed these assets through a comprehensive maintenance plan performance tracking and a capital improvement program. The purpose of this document is to take these existing resources and formulate them into a Transit Asset Management Plan in compliance with the requirements of 49 CFR Part 625.

### **Policy**

It is MITS policy to insure that the vehicles, facilities and equipment entrusted to its care are maintained in a state of good repair for the useful life of the capital asset. This will be accomplished by: (1) monitoring the effectiveness of its capital assets maintenance program; (2) maintaining a current inventory of the number and type of its capital assets; (3) assessing the condition of those inventoried assets as an indicator of performance of the assets; (4) determining capital investment needs; and (5) prioritizing those needs into a five year capital asset investment program.

### State of Good Repair

A MITS capital asset will be considered in a state of good repair if it: (1) is able to perform its designated function; (2) is in a condition that does not pose an identified unacceptable safety risks; and (3) has met or recovered all of its life-cycle investment needs including; all scheduled maintenance, rehabilitation and replacements. Assets that do not meet these objective standards will be taken out of service or replaced.

### 2. GOALS & OBJECTIVES

- Goal 1. Deliver the most efficient and effective public transportation services possible to insure the least cost to the taxpayer and user.
  - Increase fixed route on-time performance
  - Increase paratransit on-time performance
  - Reduce mechanical missed trips
  - Increase fixed route miles between road calls
  - Increase paratransit miles between road calls
  - Reduce fixed route passenger complaints
  - Reduce paratransit passenger complaints
  - · Perform fixed route scheduled maintenance on-time
  - Perform paratransit scheduled maintenance on-time
- Goal 2. Provide safe and secure conditions under which employees work and customers use MITS.
  - Reduce fixed route vehicle accidents per 100,000 miles
  - Reduce paratransit vehicle accidents per 100,000 miles
  - Reduce fixed route passenger accidents per 100,000 passengers
  - Reduce paratransit passenger accidents per 100,000 passengers
  - Reduce on-the-job injuries
- Goal 3. Ensure the long term financial stability necessary to maintain high quality public transportation in the community.
  - Control and/or reduce fixed route cost per revenue mile
  - Control and/or reduce paratransit cost per revenue mile
  - Reduce fixed route parts cost per total miles
  - Reduce paratransit parts cost per total miles
  - Reduce fixed route fleet inventory value
  - Reduce paratransit fleet inventory value
  - Increase fixed route fleet miles per gallon
  - Increase paratransit fleet miles per gallon
  - Perform facility scheduled maintenance on-time

### 3. PERFORMANCE MEASURES & TARGETS

Rolling Stock Performance Measures	<b>TARGET</b>
1. Fixed Route Fleet % of fixed route vehicles that have met or exceeded their minimum normal service life (12 years).	20%
% of fixed route vehicles that have met or exceeded their useful life benchmark (14 years)	5%
On-time Performance	97%
Mechanical missed trips	25/yr.
Miles between road calls	15,000 mi.
Passenger complaints per 100,000 miles	3.5 mi.
Passenger accidents per 100,000 passengers	1.6
Cost per Revenue mile	\$6.80
Parts cost per total mile	\$0.18
Fleet miles per gallon	4.75 mi.

Rolling Stock Performance Measures	TARGET
<ol> <li>Paratransit Fleet     % of paratransit vehicles that have met or exceeded their minimum normal service life (6 years)</li> </ol>	20%
0% of paratransit vehicles that have met or exceeded their useful life benefit (8 years)	5%
On-time performance	99%
Miles between road calls	22,000 mi.
Passenger complaints per 100,000 passengers	12
Scheduled maintenance on-time	99.5%
Vehicle accidents per 100,000 miles	4.2
Passenger accidents per 100,000 passengers	3.8
Cost per revenue mile	\$5.75
Parts cost per total cost	\$.20
Fleet miles per gallon (diesel)	8.5
Fleet miles per gallon (propane)	5.5
3. Trolley Fleet % of rubber-tired vintage trolley that have met or exceeded their useful life benchmark (14 years)	100%
Replacement schedule	TBD

Equipment Performance Measures	Target
1. Non-Revenue Vehicles % of service vehicles that have met or exceeded their useful life minimum service life (6 years)	75%
% of service vehicles that have met or exceeded their useful life benefit (8 years)	25%
Maintenance     % of equipment that inspections identify in a deteriorated condition	0%
Facility Performance Measures	Target
Support Facilities     A. Administration and Operating Headquarters     Overall condition of facility rating on the FTA     Transit Economics Requirements Model     (TERM)	3 or above
B. J.B. Black, Jr. Meeting and Training Facility Overall condition of facility rating on the FTA Transit Economics Requirements Model (TERM)	3 or above
Passenger Facilities     A. T.J. Ault, III MITS Station     Overall condition of facility rating on the FTA     Transit Economic Requirements Model     (TERM)	3 or above

### 4. ASSET INVENTORY AND ASSESSMENT

### 1. MITS Asset Summary

,		ASSET CLASS	INDIVIDUAL ASSET
		Non-revenue Service Vehicles	<ol> <li>Supervisory Vehicles (5)</li> <li>Service Truck (3)</li> <li>Building &amp; Grounds Van (1)</li> </ol>
ASSET CATEGORY	EQUIPMENT	Maintenance	1. Recessed Parallelogram Lift (2) 2. Two Post Axle Engaging Lift 25,000 to 25,000 3. Two Post in Ground Lift (9,000 to 12,000) 4. Paint Booth 5. Bus Interior Cleaner 6. Bus Wash 7. Tank Farm 8. Radio Tower Antenna, Hut
ASSET	STOCK	Buses	1.40 foot Bus (6) 2.35 foot Bus (24)
1	ROLLING STOCK	Other Passenger Vehicles	1. Paratransit Van (15) 2. Rubber Tired Trolley (3) 3. Voucher Van (2)
	ITIES	Support Facilities	1. Administrative & Operating Headquarter 2. Dr. J.B. Black Jr. Meeting & Training Facility
	FACILITIES	Passenger Facilities	1. T.J. Ault MITS Station

## ROLLING STOCK INVENTORY

	_				П					T		T	1	T			T			2,0/	1
	REPLACEMENT YEARS	Pending	2017-2019	2017-2019	2017-2019	2017-2019	2017-2019	2017-2019	2017-2019	2017-2019	2017-2019	2019-2021	2019-2021	2019-2021	2019-2021	2019-2021	2019-2021	2020-2022	2020-2022	2020-2022	בנטנ טנטנ
FTA	USEFUL LIFE BENEFT	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
FTA	MINIMUM SERVICE LIFE	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	CONDITION	Marginal	Adequate	Adequate	Adequate	Adequate	Adequate	Adequate	Adequate	Adequate	Adequate	Ademiate									
	CURRENT	452,023	388,670	451,860	448,936	447,682	443,524	445,292	447,244	440,867	446,455	446,883	485,264	468,661	443,159	465,459	322,261	326,833	329,059	309,233	284.255
VEHICLE	IDENTIFICATION # (VIN)	15GGB291151076451	15GGB291351076452	15GGB291551076453	15GGB291751076454	15GGB291751076455	15GGB291051076456	15GGB291251076457	15GGB291451076458	15GGB291651076459	15GGB291251076460	15GGB291671077579	15GGB291271077580	15GGB291471077581	15GGB291671077582	15GGB291871077583	15GGB3013A1177584	15GGB3015A1177585	15GGB3017A1177586	15GGB3019A1177587	15GGB3010A1177588
i	FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid										
	VEHICLE MAKE/MODEL	Gillig LF (35')	Gillig LF BRT (35')	Gillig LF BRT (35')	Gillig LF BRT (35')	Gillig LF BRT (35')	Gillig LF BRT (35')	Gillig LF													
IN IN	SERVICE	2005	2005	2005	2005	2005	2002	2005	2005	2005	2005	2007	2007	2002	2007	2007	2010	2010	2010	2010	2010
T. FIXED KUUTE FLEE	VEHICLE #	148	149	150	151	152	153	154	155	156	157	159	160	161	162	163	164	165	166	167	168

# ROLLING STOCK INVENTORY CONTINUED

1. FIXED R	1. FIXED ROUTE FLEET								
MITS VEHICLE#	SERVICE YEAR	VEHICLE MAKE/MODEL	FUEL	VEHICLE IDENTIFICATION # (VIN)	CURRENT	CONDITION	FTA MINIMUM SERVICE LIFE	FTA USEFUL LIFE BENEFT	REPLACEMENT
169	2012	New Flyer Xcelsior (40')	Hybrid	SFYG8FR01CB041391	198,408	Good	12	14	2024-2026
170	2012	New Flyer Xcelsior (40')	Hybrid	5FYH8FR01CB041392	190,384	Good	12	14	2024-2026
171	2013	New Flyer Xcelsior (40')	Hybrid	5FYH8FR08DB042976	194,790	Good	12	14	2025-2027
172	2013	New Flyer Xcelsior (40')	Hybrid	5FYH8FR0XDB042977	176,732	Good	12	14	2025-2027
173	2013	New Flyer Xcelsior (40')	Hybrid	5FYH8FR03DB042978	192,544	Good	12	14	2025-2027
174	2013	New Flyer Xcelsior (40')	Hybrid	5FYH8FR03DB042979	196,604	Good	12	14	2025-2027
175	2014	New Flyer Xcelsior (35')	Hybrid	5FYH8KR0XEC045253	158,012	Excellent	12	14	2026-2028
176	2014	New Flyer Xcelsior (35')	Hybrid	5FYH8KR01EC045254	174,905	Excellent	12	14	2026-2028
177	2017	New Flyer Xcelsior (35')	Hybrid	5FYD8KV11HF050969	164,295	Excellent	12	14	2029-2031
178	2018	New Flyer Xcelsior (35')	Diesel	5FYH8KR17JF053814	4,832	Excellent	12	14	2030-2032
( )									

\*NOTE: Life Miles Through August 27, 2017

2. PARATR	2. PARATRANSIT FLEET	_							
MITS VEHICLE#	IN SERVICE YEAR	VEHICLE MAKE/MODEL	FUEL	VEHICLE IDENTIFICATION # (VIN)	CURRENT	CONDITION	FTA MINIMUM SERVICE LIFE	FTA USEFUL LIFE BENEFT	REPLACEMENT
326	2008	Chevy Van	Diesel	1G5JG316181155249	167,108	Poor	9	80	Pending
338	2010	Chevy Van	Diesel	1GB6G3A63A1108509	164,295	Marginal	9	∞	Pending
339	2010	Chevy Van	Diesel	1GB6G3A61A11Z1320	160,855	Marginal	9	80	Pending
340	2013	Ford E450 Phoenix	Propane	1FDFE4FS3DDB26021	87,646	Marginal	9	<b>00</b>	Pending
341	2015	Ford E450 Phoenix	Propane	1FDFE4FS9FDA05030	70,371	Good	9	00	2021-2023
342	2015	Ford E450 Phoenix	Propane	1FDFE4FS0FDA05031	72,089	Good	9	80	2021-2023
343	2017	Ford E450 Phoenix	Propane	1FDFE4F51HDC17780	31,462	Excellent	9	80	2023-2025
344	2017	Ford E450 Phoenix	Propane	1FDFE4FS3HDC17781	33,963	Excellent	9	00	2023-2026
345	2017	Ford E450 Phoenix	Propane	1FDFE4FS5HDC17782	31,525	Excellent	9	00	2023-2027
346	2017	Ford E450 Phoenix	Propane	1FDFE4FS3HDC77544	14,013	Excellent	9	80	2023-2028
347	2017	Ford E450 Phoenix	Propane	1FDFE4FS5FDC77545	12,955	Excellent	9	80	2023-2029
348	2017	Ford E450 Phoenix	Propane	1FDFE4FS7HDC77546	12,912	Excellent	9	8	2023-2030
349	2017	Ford E450 Phoenix	Propane	1FDFE4FS9HDC77547	13,329	Excellent	9	89	2023-2031
350	2017	Ford E450 Phoenix	Propane	1FDFE4FS0HDC77548	9,044	Excellent	9	80	2023-2032
351	2017	Ford E450 Phoenix	Propane	1FDFE4FS52HDC7754	97,338	Excellent	9	8	2023-2033

\*NOTE: Life Miles Through July 31, 2017

3. TROLLEY FLEET	Y FLEET								
MITS VEHICLE#	IN SERVICE YEAR	VEHICLE MAKE/MODEL	FUEL	VEHICLE IDENTIFICATION # (VIN)	CURRENT	CONDITION RATING*	FTA MINIMUM SERVICE LIFE	FTA USEFUL LIFE BENEFT	REPLACEMENT YEARS
0.1	2000	Chance AH-28	Diesel	1C952HGS0YW535180	109,684	Adequate	12	14	TBD
02	2000	Chance AH-28	Diesel	1C952HGS2YW535181	101,447	Adequate	12	14	TBD
03	2000	Chance AH-28	Diesel	1C952HGS4YW535182	98,854	Adequate	12	14	TBD

\*Based on Total Miles

4. VOUCHER FLEET	R FLEET								
MITS VEHICLE#	IN SERVICE YEAR	VEHICLE MAKE/MODEL	FUEL	VEHICLE IDENTIFICATION # (VIN)	CURRENT	CONDITION	FTA MINIMUM SERVICE LIFE	FTA USEFUL LIFE BENEFT	REPLACEMENT YEARS
703	2015	Ford Van, Elkhart	Gas	1FDEE3FS7FDA07042	NA	Good	9	8	2021-2023
704	2015	Ford Van, Elkhart	Gas	1FDEE3F51FDA27738	NA	Good	9	00	2021-2023

Vehicle Numbers 703 & 704 are leased to Eaton EMT's, Inc. to provide 24/7 accessible service in Delaware County \*Note:

### **EQUIPMENT INVENTORY**

MITS VEHICLE#	IN SERVICE YEAR	VEHICLE MAKE/MODEL	FUEL TYPE	VEHICLE IDENTIFICATION # (VIN)	CURRENT	CONDITION	FTA MINIMUM SERVICE LIFE	FTA USEFUL LIFE BENEFT	REPLACEMENT YEARS
909	2002	Ford F350, 4x4 Truck	Diesel	1FTSF31F42EB37069	33,963	Marginal	9	80	TBD
809	2003	Ford E350m Lift Van	Diesel	1FTSS34F03HA80568	76,950	Marginal	9	00	TBD
609	2006	Ford XLT, Escape 4x4	Gas	1FMCU931X6KC62577	86,559	Marginal	9	80	2019
610	2006	Chevy SUV, Trailblazer	Gas	1GNES13H662340300	120,861	Marginal	9	83	TBD
611	2009	Ford SUV, Escape Hybrid	Gas	1FMCU59329KC38747	81,029	Adequate	9	80	2019
612	2009	Chevy Silverado, 4WD Truck	Diesel	1GCHK4YK39E143038	57,168	Adequate	9	00	TBD
613	2011	Ford SUV, Escape Hybrid	Gas	1FMCU5K33BKA43000	39,088	Adequate	9	80	2021
614	2014	GMC SUV, Terrain 4WD	Gas	2GKFLVEKXE6271367	39,083	Excellent	9	8	2020-2022
615	2015	Ford F350, 4x4 Truck	Diesel	1FTRF3BT7FEA98485	5,209	Excellent	9	80	2021-2023

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MITS ENTORY #	MITS IN INVENTORY SERVICE # YEAR	DESCRIPTION	REBUILD/UPG RAD	CONDITION RATING	USEFUL LIFE	REP	ESTIMATED REPLACEMENT COST
	1986	Ross & White Paint Booth	1998	Adequate	2023	4	200,000
	1986	SBS Paint Booth	2001	Adequate	2026	\$	150,000
	2001	Transmatic Interior Vacuum	NA	Adequate	2026	\$	150,000
		Rotary Recessed Drive on					
	1999	Lift	NA	Adequate	2024	45	120,000
		Rotary Recessed Drive on					
	2002	Lift	NA	Adequate	2027	\$	120,000
	2002	Rotary Two Post Axle Lift	NA	Adequate	2027	\$	100,000
	1986	Underground Storage Tanks	1991	Adequate	TBD	\$	180,000
	1896	Radio Tower & Hut	NA	Adequate	TBD	₩.	150,000

### **FACILITIES ASSESSMENT**

1. ADMINISTRATION & OPERATING HEADQUARTERS				
NTD IDENTIFICATION NUMBER	2053			
AGENCY NAME	Muncie Indiana Transit System (MITS)			
MAILING ADDRESS	Muncie Indiana Transit System 1300 East Seymour Street Muncie, IN 47302			
URBANIZED AREA	Muncie Urbanized Area, 60625			
FACILITY NAME	Administrative & Operating Headquarters			
SECTION OF LARGER FACILITY	NA			
STREET ADDRESS	1300 East Seymour Street Muncie, IN 47302			
PRIMARY MODE	75% Motor Bus 25% Demand Response			
FACILITY TYPE	General Purpose Maintenance Facility Owned, Under 200 Vehicles			
YEAR BUILT OR REPLACED	Dedicated February 1986 Remodeled 2003			
SQUARE FEET	45,763 sq. ft.			
PERCENT CAPITAL RESPONSIBILITY	Federal: 80% Local: 20%			
CONDITION ASSESSMENT	3.37			
ESTIMATED DATE OF CONDITION ASSESSMENT	January 2017			

### MITS Administrative and Operating Headquarters-Construction and Equipment Information

Building Area Totals:	
Service (Fueling Washing)	4.011 sq T
Maintenary u	7 304 sq. II
Parts Storag	1,752 sq. ft.
Tire Storage	1.000 sq. ft.
Bus Storage	=25,976 sq.ft.
Paint Shop	1 632 sq. fl.
Dispatcher Driver	1232sq P.
Administrative Offices	2,856sq. ft
TOTAL	45,763sij II.
Type of Construction.	16

Maintenance, Service, and Storage Areas - Reinforced concrete frame Insulted precist concrete walls, and precist concrete double tee noof system with fiberglass reinforced PVD elastic sheet roofing.

Administrative Area Conventional steel frame with metal deck roof

Type of Heating:

Maintenance Service, and Stonge Areas have gas fired infinited national healers. Administrative Area has a roof mounted heat pump with gas fired back up for heating and cooling.

Type of Ventilation: Maintenance Service and Storage Areas have five 13 000 CFM supply 12 000 CFM exhaust roof mounted "Unergy Conservation Ventilators" "The I/CV 's are ali, to, alr heat exchanges with a rated efficiency of 95%

Type of Lighting:

Storage Area - High pressure sodium fixtures: also natural light from twenty eight  $3^{\circ}+3^{\circ}$  Insulated skylights

Maintenance and Service Areas - Metal Halide figures, also natural light from eight 3' x 3'. Insulated skylights.

Administrative, Parts, Storage, and Tire Storage Areas. Chorescent or metalhalide fixtures.

Fuel and Liquids Capacity:

- \* Two 20 (10) gallon diesel fuel tanks
- . Two 550 gallon oil tanks
- One I 000 gallon waste oil tank
- One550 gallon anti-freeze tank
- . Grease will antifreeze and transmission fluid pumped to metered hose reels

Bus Washer: Fully automatic febrush drive through washer with roof brush and undercarriage spray

Hydraulic Bus Lifts: 1win twin post lifts with 36,000 lb. capacity

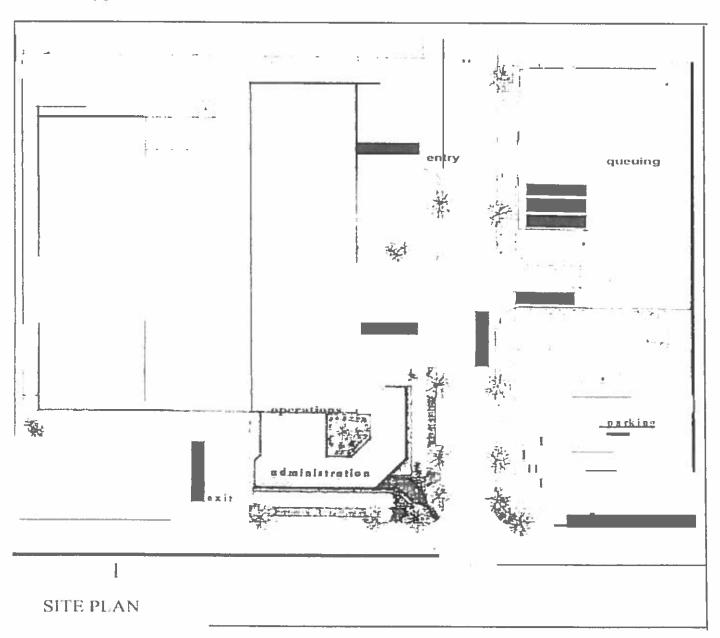
Conveying Systems:

Tire Storage Bridge crans whit 15t ton capacity hoist Parts Mezzanine - Monomil with 1 ton capacity hoist Maintenance. Jib crane with 5 ton capacity hoist.

Other Equipment: Double-spindle brake lathe two parts cleaning tanks with rinse booth drill press air hydraulic press power loading dock with 12 000 lb capacity, tire changer grinder, vacuum cleaning system battery charger paint spray booth and vehicle exhaust system

Construction Contractor: Glenroy Construction Co. Inc.

Construction Administrator: Taylor Architects Inc.



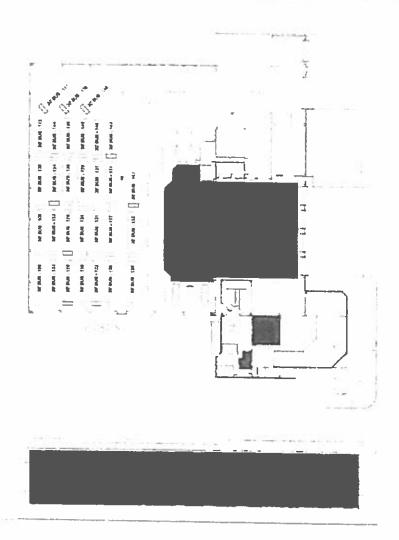
### REMODELING

Parking: New bus queuing area and employee parking lot.

Maintenance Area Four new maintenance bays. One drive on hoist, two in ground lifts (one for heavy duty buses and one for medium duty vans), new hose reels and lighting and new vehicle exhaust system.

Offices: Three new transportation offices in previous board room space Redesigned public foyer and existing transportation offices. Updated heating, ventilation and cooling system.

Cameras Security system with cameras in various locations throughout property



Administration and Operating Headquarters

A. Substructure  * Foundations: Walls, columns, pillings other structural components	ID#	COMPONENTS	SUB-COMPONENTS	SUB- COMPONENT RATING	COMPONENT RATING
# Superstructure/structural frame: columns, pillars, walls 3.0   # Roof: Roof Surface, gutters, eaves, skylights, chimney surrounds 2.0   # Exterior: Windows, doors, and all finishes (paint, masonry) 3.0   # Exterior: Windows, doors, and all finishes (paint, masonry) 3.0   # Exterior: Windows, doors, and all finishes (paint, masonry) 3.0   # Partitions: walls, interior doors, fittings such as signage 4.0   # Stafts: Interior stairs and landings 4.0   # Finishes: Materials used on walls, floors, and ceilings 4.0   # Elevators NA NA 1.0   # Elevators NA NA 2.0   # Elevators NA NA 3.0   # Elevators NA NA 3.0   # Stafts: any other such fixed apparatuses for the movement of goods or people 3.0   # Uniterior stairs and such stairs and landings 1.0   # Energy Supply 4.0   # Rain water drainage 1.0   # HVAV+C   # Energy Supply 4.0   # Heat generation and distribution systems 2.0   # Testing, balancing, controls and instrumentation 3.0   # Coling generation and distribution systems 2.0   # Testing, balancing, controls and instrumentation 3.0   # Chimney's and vents 3.0   # Hydrants and other fire protection specialties 4.0   # Hydrants and other fire protection specialties 4.0   # Electrical System-related pieces such as lightning protection, generators, and emergency lighting 3.0   # Electrical system-related pieces such as lightning protection, generators, and emergency lighting 3.0   # Electrical system-related pieces such as lightning maintenance or vehicle service equipment 4.0   # For Carity, includes only items valued above \$10,000 and related to facility function 4.0   # Pedestrian areas and associated signage, marking and equipment 4.0   # Parking lots and associated signage, marking and equipment 4.0   # Parking lots and associated signage, marking and equipment 4.0   # Praking lots and associated signage, marking and equipment 4.0	Α.	Substructure	components		4.0
B. Shell				I IVA	
B. Shell surrounds				3.0	
C. Interiors   * Partitions: walls, interior doors, fittings such as signage   4.0   * Stairs: Interior stairs and landings   4.0   * Finishes: Materials used on walls, floors, and cellings   4.0   This component covers all interior spaces, regardless of use	В.	Shell	* Exterior: Windows, doors, and all finishes (paint, masonry)		2.75
C. Interiors  * Stairs: Interior stairs and landings * Finishes: Materials used on walls, floors, and ceilings This component covers all interior spaces, regardless of use  * Elevators This component covers all interior spaces, regardless of use  * Elevators * Elevators * Escalators * Lifts: any other such fixed apparatuses for the movement of goods or people  * Fixtures * Water distribution * Sanitary waster * Rain water drainage  * Cooling generation and distribution systems * Strandpipes * Hydants and other fire protection specialties  # Strandpipes * Hydants and other fire protection specialties  # Selectrical * Electrical * Electrical service & distribution * Communications & security * Other electrical system-related pieces such as lightning protection, generators, and emergency lighting maintenance or vehicle service equipment  # For clarity, includes only items valued above \$10,000 and related to facility function  * Parking lots and associated signage, marking and equipment * Parking lots and associated signage, marking and equipment * Parking lots and associated signage, marking and equipment * Site development such as fences, walls and miscellaneous structures * Landscaping and irrigation  * Landscaping and irrigation  * Landscaping and irrigation  * Landscaping and irrigation				3.0	
C. Interiors  * Stairs: Interior stairs and landings * Finishes: Materials used on walls, floors, and ceilings This component covers all interior spaces, regardless of use  * Elevators This component covers all interior spaces, regardless of use  * Elevators * Elevators * Escalators * Lifts: any other such fixed apparatuses for the movement of goods or people  * Fixtures * Water distribution * Sanitary waster * Rain water drainage  * Cooling generation and distribution systems * Strandpipes * Hydants and other fire protection specialties  # Strandpipes * Hydants and other fire protection specialties  # Selectrical * Electrical * Electrical service & distribution * Communications & security * Other electrical system-related pieces such as lightning protection, generators, and emergency lighting maintenance or vehicle service equipment  # For clarity, includes only items valued above \$10,000 and related to facility function  * Parking lots and associated signage, marking and equipment * Parking lots and associated signage, marking and equipment * Parking lots and associated signage, marking and equipment * Site development such as fences, walls and miscellaneous structures * Landscaping and irrigation  * Landscaping and irrigation  * Landscaping and irrigation  * Landscaping and irrigation			* Partitions: walls, interior doors, fittings such as signage	4.0	
* Finishes: Materials used on walls, floors, and cellings This component covers all interior spaces, regardless of use  * Elevators * Escalators * Lifts: any other such fixed apparatuses for the movement of goods or people  * Fixtures * Auter distribution * Sanitary waster * Rain water drainage  * Energy Supply * Heat generation and distribution systems * Cooling generation and distribution systems * Testing, balancing, controls and instrumentation * Sprinklers * Standpipes * Hydrants and other fire protection specialties  # Electrical  * Electrical service & distribution * Lighting & branch wiring (interior & exterior) * Comminications & security * Coher electrical system-related pieces such as lightning protection, generators, and emergency lighting  * Equipment * For clarity, includes only items valued above \$10,000 and related to facility function * Parking lots and associated signage, marking and equipment * Parking lots and associated signage, marking and equipment * Predestrian areas and associated signage, marking and equipment * Site development such as fences, walls and miscellaneous structures * Landscaping and irrigation * Lindscaping and irrigation * Site development such as fences, walls and miscellaneous structures * Landscaping and irrigation * Au  * Au	_	tatasiass			
This component covers all interior spaces, regardless of use  * Elevators * Escalators * NA	L.	interiors		4.0	4.00
* Elevators					
E. Plumbing  * Escalators  * Lifts: any other such fixed apparatuses for the movement of goods or people  * Fixtures  * Water distribution  * Sanitary waster  * Rain water drainage  * Energy Supply  * Heat generation and distribution systems  * Cooling generation and distribution systems  * Electrical service and the instrumentation  * Standpipes  * Hydrants and other fire protection specialties  * Hydrants and other fire protection specialties  * Electrical service & distribution  * Lighting & branch wiring (interior & exterior)  * Communications & security  * Other electrical system-related pieces such as lightning protection, generators, and emergency lighting  * Equipment  * Equipment related to the function of the facility, including maintenance or vehicle service equipment  * For clarity, includes only items valued above \$10,000 and related to facility function  * Parking lots and associated signage, marking and equipment  * Predestrian areas and associated signage, marking and equipment  * Pedestrian areas and associated signage, marking and equipment  * Pedestrian areas and associated signage, marking and equipment  * Pedestrian areas and associated signage, marking and equipment  * Site development such as fences, walls and miscellaneous structures  * Landscaping and irrigation  * Landscaping and irrigation  * Landscaping and irrigation  * Landscaping and irrigation				ΔIΔ	
# Lifts: any other such fixed apparatuses for the movement of goods or people  # Lifts: any other such fixed apparatuses for the movement of goods or people  # Lifts: any other such fixed apparatuses for the movement of goods or people  # Sanitary waster  # Water distribution  # Sanitary waster  # Rain water drainage  # Energy Supply  # Heat generation and distribution systems  # Cooling generation and distribution systems  # Sprinklers  # Standpipes  # Hydrants and other fire protection specialties  # Hydrants and other fire protection specialties  # Electrical  # Electrical service & distribution  # Electrical service & distribution  # Communications & security  # Communications & security  # Other electrical system-related pieces such as lightning protection, generators, and emergency lighting  # Communications & security  # Other electrical system-related pieces such as lightning protection, generators, and emergency lighting  # For clarity, includes only items valued above \$10,000 and related to facility function  # Roadways/driveways and associate signage, marking and equipment  # Pedestrian areas and associated signage, marking and equipment  # Pedestrian areas and associated signage, marking and equipment  # Pedestrian areas and associated signage, marking and equipment  # Pedestrian areas and associated signage, marking and equipment  # Pedestrian areas and associated signage, marking and equipment  # Site development such as fences, walls and miscellaneous structures  # Landscaping and irrigation  # A.O.					
F. Plumbing  * Fixtures  * Water distribution  * Sanitary waster  * Rain water drainage  * Energy Supply  * Heat generation and distribution systems  * Cooling generation and distribution systems  * Coloning generation and distribution systems  * Cooling generation and distribution systems  * Sprinklers  * Syrinklers  * Syrinklers  * Syrinklers  * Hydrants and other fire protection specialties  * Electrical service & distribution  * Lighting & branch wiring (interior & exterior)  * Communications & security  * Other electrical system-related pieces such as lightning protection, generators, and emergency lighting  * Other electrical system-related pieces such as lightning group such as security  * Communications & security  * Celectrical service & distribution  * Equipment  * Fixed expelled to the function of the facility, including maintenance or vehicle service equipment  * For clarity, includes only items valued	D.	Conveyance	* Lifts: any other such fixed apparatuses for the movement of		3.0
F. Plumbing  * Water distribution 3.0 3.0 3.0 3.0    * Sanitary waster 3.0 3.0 3.0 3.0 3.0 3.0    * Sanitary waster 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0					
* Sanitary waster     * Rain water drainage  * Energy Supply     * Heat generation and distribution systems     * Cooling generation and distribution systems     * Testing, balancing, controls and instrumentation     * Chimney's and vents  G. Fire Protection  * Sprinklers     * Standpipes     * Hydrants and other fire protection specialties  * Hydrants and other fire protection specialties  * Electrical service & distribution     * Lighting & branch wiring (interior & exterior)  * Communications & security     * Other electrical system-related pieces such as lightning protection, generators, and emergency lighting  * Equipment  * Equipment  * Equipment related to the function of the facility, including maintenance or vehicle service equipment     * For clarity, includes only items valued above \$10,000 and related to facility function  * Roadways/driveways and associate signage, marking and equipment  * Parking lots and associated signage, marking and equipment  * Parking lots and associated signage, marking and equipment  * Parking lots and associated signage, marking and equipment  * Site development such as fences, walls and miscellaneous structures  * Landscaping and irrigation  3.0  3.0  3.0					
F. HVAV+C    For the protection   For the protectio	€.	Plumbing			3.0
F. HVAV+C  * Energy Supply  * Heat generation and distribution systems  * Cooling generation and distribution  * Chimney's and vents  * Syrinklers  * Standpipes  * Hydrants and other fire protection specialties  * Standpipes  * Hydrants and other fire protection specialties  * Electrical service & distribution  * Lighting & branch wiring (interior & exterior)  * Communications & security  * Other electrical system-related pieces such as lightning protection, generators, and emergency lighting  * Equipment related to the function of the facility, including maintenance or vehicle service equipment  * For clarity, includes only items valued above \$10,000 and related to facility function  * Roadways/driveways and associate signage, marking and equipment  * Parking lots and associated signage, marking and equipment  * Parking lots and associated signage, marking and equipment  * Pedestrian areas and associated signage, marking and equipment  * Pedestrian areas and associated signage, marking and equipment  * Site development such as fences, walls and miscellaneous structures  * Landscaping and irrigation  4.0  3.67				3.0	
F. HVAV+C  HVAV+C  * Heat generation and distribution systems  Cooling generation and distribution systems  Testing, balancing, controls and instrumentation  Chimney's and vents  Sprinklers  Standpipes  Hydrants and other fire protection specialties  Electrical service & distribution  Lighting & branch wiring (interior & exterior)  Communications & security  Other electrical system-related pieces such as lightning protection, generators, and emergency lighting  Equipment  Equipment related to the function of the facility, including maintenance or vehicle service equipment  For clarity, includes only items valued above \$10,000 and related to facility function  Roadways/driveways and associate signage, marking and equipment  Parking lots and associated signage, marking and equipment  Pedestrian areas and associated signage, marking and equipment  Site development such as fences, walls and miscellaneous structures  Landscaping and irrigation  2.0  2.8  2.0  2.8  2.0  2.8  2.0  2.8  2.0  2.8  2.0  2.8  2.0  4.0  4.0  4.0  4.0  4.0  3.0  3.5  3.5  4.0  4.0  3.67					
F. HVAV+C  * Cooling generation and distribution systems  * Testing, balancing, controls and instrumentation  * Chimney's and vents  Sprinklers  * Standpipes  * Hydrants and other fire protection specialties  * Electrical  * Electrical service & distribution  * Lighting & branch wiring (interior & exterior)  * Communications & security  * Other electrical system-related pieces such as lightning protection, generators, and emergency lighting  * Equipment  Equipment  * Equipment related to the function of the facility, including maintenance or vehicle service equipment  * For clarity, includes only items valued above \$10,000 and related to facility function  * Parking lots and associated signage, marking and equipment  * Parking lots and associated signage, marking and equipment  * Pedestrian areas and associated signage, marking and equipment  * Site development such as fences, walls and miscellaneous structures  * Landscaping and irrigation  2.0  4.00  4.00  4.00  3.5  3.67				4.0	
* Testing, balancing, controls and instrumentation  * Chimney's and vents  * Sprinklers  * Standpipes  * Hydrants and other fire protection specialties  * Hydrants and other fire protection specialties  * Electrical service & distribution  * Lighting & branch wiring (interior & exterior)  * Communications & security  * Other electrical system-related pieces such as lightning protection, generators, and emergency lighting  * Equipment  * Equipment  * Equipment related to the function of the facility, including maintenance or vehicle service equipment  * For clarity, includes only items valued above \$10,000 and related to facility function  * Parking lots and associated signage, marking and equipment  * Parking lots and associated signage, marking and equipment  * Pedestrian areas and associated signage, marking and equipment  * Pedestrian areas and associated signage, marking and equipment  * Site development such as fences, walls and miscellaneous structures  * Landscaping and irrigation  * Landscaping and irrigation  * Landscaping and irrigation	F.			2.0	
* Chimney's and vents  3.0  Fire Protection  * Sprinklers  * Standpipes  * Hydrants and other fire protection specialties  * Electrical service & distribution  * Lighting & branch wiring (interior & exterior)  * Communications & security  * Other electrical system-related pieces such as lightning protection, generators, and emergency lighting  1. Equipment  * Equipment related to the function of the facility, including maintenance or vehicle service equipment  * For clarity, includes only items valued above \$10,000 and related to facility function  * Roadways/driveways and associate signage, marking and equipment  * Parking lots and associated signage, marking and equipment  * Pedestrian areas and associated signage, marking and equipment  * Pedestrian areas and associated signage, marking and equipment  * Pedestrian areas and associated signage, marking and equipment  * Site development such as fences, walls and miscellaneous structures  * Landscaping and irrigation  3.0  3.67		HVAV+C		2.0	2.8
Fire Protection  * Sprinklers  * Standpipes  * Hydrants and other fire protection specialties  * Electrical service & distribution  * Lighting & branch wiring (interior & exterior)  * Communications & security  * Other electrical system-related pieces such as lightning protection, generators, and emergency lighting  * Equipment  Equipment  * Equipment related to the function of the facility, including maintenance or vehicle service equipment  * For clarity, includes only items valued above \$10,000 and related to facility function  * Roadways/driveways and associate signage, marking and equipment  * Parking lots and associated signage, marking and equipment  * Parking lots and associated signage, marking and equipment  * Pedestrian areas and associated signage, marking and equipment  * Pedestrian areas and associated signage, marking and equipment  * Site development such as fences, walls and miscellaneous structures  * Landscaping and irrigation  4.0  3.67				3.0	
Fire Protection  * Standpipes * Hydrants and other fire protection specialties  * Electrical service & distribution * Lighting & branch wiring (interior & exterior)  * Communications & security * Other electrical system-related pieces such as lightning protection, generators, and emergency lighting  * Equipment  * Equipment related to the function of the facility, including maintenance or vehicle service equipment * For clarity, includes only items valued above \$10,000 and related to facility function  * Roadways/driveways and associate signage, marking and equipment * Parking lots and associated signage, marking and equipment * Pedestrian areas and associated signage, marking and equipment * Site development such as fences, walls and miscellaneous structures * Landscaping and irrigation  4.0  3.67			* Chimney's and vents	3.0	
* Hydrants and other fire protection specialties 4.0  * Hydrants and other fire protection specialties 4.0  * Electrical service & distribution 4.0  * Lighting & branch wiring (interior & exterior) 4.0  * Communications & security 3.0 3.5  * Other electrical system-related pieces such as lightning protection, generators, and emergency lighting 3.0  * Equipment related to the function of the facility, including maintenance or vehicle service equipment For clarity, includes only items valued above \$10,000 and related to facility function  * Roadways/driveways and associate signage, marking and equipment 4.0  * Parking lots and associated signage, marking and equipment 4.0  * Pedestrian areas and associated signage, marking and equipment 4.0  * Site development such as fences, walls and miscellaneous structures 4.0  * Landscaping and irrigation 4.0			* Sprinklers	4.0	
# Electrical service & distribution  * Lighting & branch wiring {interior & exterior}	G.	Fire Protection	* Standpipes	4.0	4.00
* Lighting & branch wiring (interior & exterior)  * Communications & security  * Other electrical system-related pieces such as lightning protection, generators, and emergency lighting  1. Equipment  * Equipment related to the function of the facility, including maintenance or vehicle service equipment  * For clarity, includes only items valued above \$10,000 and related to facility function  * Roadways/driveways and associate signage, marking and equipment  * Parking lots and associated signage, marking and equipment  * Pedestrian areas and associated signage, marking and equipment  * Site development such as fences, walls and miscellaneous structures  * Landscaping and irrigation  * Landscaping and irrigation  4.0  * A.0  * Landscaping and irrigation  * A.0			* Hydrants and other fire protection specialties	4.0	
# Communications & security  * Other electrical system-related pieces such as lightning protection, generators, and emergency lighting  * Equipment related to the function of the facility, including maintenance or vehicle service equipment  * For clarity, includes only items valued above \$10,000 and related to facility function  * Roadways/driveways and associate signage, marking and equipment  * Parking lots and associated signage, marking and equipment  * Pedestrian areas and associated signage, marking and equipment  * Site development such as fences, walls and miscellaneous structures  * Landscaping and irrigation  3.0  3.67			* Electrical service & distribution	4.0	
* Other electrical system-related pieces such as lightning protection, generators, and emergency lighting  * Equipment related to the function of the facility, including maintenance or vehicle service equipment  * For clarity, includes only items valued above \$10,000 and related to facility function  * Roadways/driveways and associate signage, marking and equipment  * Parking lots and associated signage, marking and equipment  * Pedestrian areas and associated signage, marking and equipment  * Site development such as fences, walls and miscellaneous structures  * Landscaping and irrigation  * Other electrical system-related pieces such as lightning  3.0  3.0  3.0  3.0  3.0  3.0  3.0  3.			* Lighting & branch wiring (interior & exterior)	4.0	
Protection, generators, and emergency lighting   3.0	Н.	Electrical		3.0	3.5
I. Equipment # For clarity, includes only items valued above \$10,000 and related to facility function # Roadways/driveways and associate signage, marking and equipment # Parking lots and associated signage, marking and equipment # Pedestrian areas and associated signage, marking and equipment # Pedestrian areas and associated signage, marking and equipment # Site development such as fences, walls and miscellaneous structures # Landscaping and irrigation # A.0				3.0	· · · · · · · · · · · · · · · · · · ·
equipment 3.0  * Parking lots and associated signage, marking and equipment 4.0  * Pedestrian areas and associated signage, marking and equipment 4.0  Site equipment 4.0 3.67  * Site development such as fences, walls and miscellaneous structures 4.0  * Landscaping and irrigation 4.0	1.	Equipment	maintenance or vehicle service equipment  * For clarity, includes only items valued above \$10,000 and	3.0	3.0
* Parking lots and associated signage, marking and equipment 4.0  * Pedestrian areas and associated signage, marking and equipment 4.0  Site equipment 4.0 3.67  * Site development such as fences, walls and miscellaneous structures 4.0  * Landscaping and irrigation 4.0				3.0	
* Pedestrian areas and associated signage, marking and equipment 4.0 3.67  * Site development such as fences, walls and miscellaneous structures 4.0  * Landscaping and irrigation 4.0					
* Site development such as fences, walls and miscellaneous structures 4.0  * Landscaping and irrigation 4.0		Sita	* Pedestrian areas and associated signage, marking and		2.67
* Landscaping and irrigation 4.0	3.	JILE		4.0	3.6/
* Landscaping and irrigation 4.0				4.0	
				<del>                                     </del>	
			* Site Utilities	3.0	

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2.	2. DR. J.D. BLACK JR. MEETING & TRAINING FACILITY					
NO	NTD IDENTIFICATION NUMBER	2053				
ORMATI	AGENCY NAME ACRONYM	Muncie Indiana Transit System (MITS)				
AGENCY INFORMATION	MAILING ADDRESS	Muncie Indiana Transit System 1300 East Seymour Street Muncie, IN 47302				
	URBANIZED AREA	Muncie Urbanized Area, 60625				
	FACILITY NAME	Dr. J.B Black Jr. Meeting & Training Facility				
A-10)	SECTION OF LARGER FACILITY	NA				
HILITIES (	STREET ADDRESS	1400 East Seymour Street Muncie, IN 47302				
NCE FAC	PRIMARY MODE	60% Demand Response Motor Bus				
ADMINISTRATIVE & MAINTENANCE FACILITIES (A-10)	FACILITY TYPE	General Purpose Maintenance Facility Owned, Under 200 Vehicles				
& M/	YEAR BUILT OR REPLACED	Dedicated December 2003				
ATIVE	SQUARE FEET	17,006 sq. ft.				
MINISTR	PERCENT CAPITAL RESPONSIBILITY	Federal: 80% Local: 20%				
AD	CONDITION ASSESSMENT	3.93				
	ESTIMATED DATE OF CONDITION ASSESSMENT	January 2017				

### Meeting & Training Facility - Construction Information

### **BUILDING AREA TOTALS**

Training Room	594 sq. ft
Meeting Room	LIBO sq. ft.
Lobby, Kitchen, Restrooms	982 sq. ft
Vehicle Storage	11,494 sq. ft.
Total Main Level	14,250 sq. ft
Mezzanine Storage	2.756 sq. N

### FUNDING

Federal Transit Administration \$1.2 million Local \$300,000 Total Project \$1.5 million

### **CONSTRUCTION CONTRACTORS**

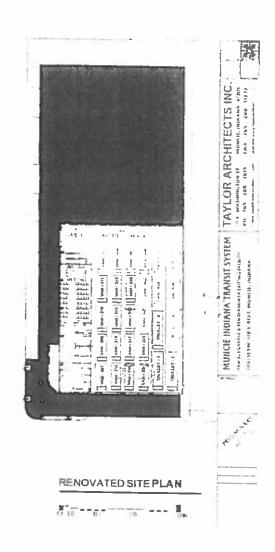
3D Company, Inc.
J G Case Construction, Inc.

### **ARCHITECT**

Taylor Architects, Inc.

### **MEETING & TRAINING FACILITY**

Store paratransit and specialized vehicles, vehicle parts, and documents. Conduct employee training, team building and other employee meetings, recruitment and testing activities. Conduct board meetings, public hearings, and special functions.



Dr. J.B. Black Jr. Meeting & Training Facility

		Dr. J.B. Black Jr. Meeting & Training Facility		
ID#	COMPONENTS	SUB-COMPONENTS	SUB- COMPONENT	COMPONENT
1011	CONTONENTS	30B-COMPONENTS	RATING	RATING
			T NATIO	
_	Substructure	* Foundations: Walls, columns, pilings other structural		
A.	Substructure	* Passment: Materials insulation also floor and ariseins	4.0	4.0
		* Basement: Materials, insulation, slab, floor underpinnings	NA NA	
		* Superstructure/structural frame: columns, pillars, walls	4.0	
		* Roof: Roof Surface, gutters, eaves, skylights, chimney		
В.	Shell	surrounds	4.0	3.75
		* Exterior: Windows, doors, and all finishes (paint, masonry)	4.0	
		* Shell Appurtenances: Balconies, fire escapes, gutters, downspouts	3.0	
			3.0	
		* Partitions: walls, interior doors, fittings such as signage	4.0	
C.	Interiors	* Stairs: Interior stairs and landings	4.0	4.0
		* Finishes: Materials used on walls, floors, and ceilings	4.0	7.0
		This component covers all interior spaces, regardless of use		
		* Elevators	NA	
D.	Conveyance	* Escalators	NA	
U.	Conveyance	* Lifts: any other such fixed apparatuses for the movement of		NA
		goods or people	NA	
		* Fixtures	4.0	
		* Water distribution	4.0	
E.	Plumbing	* Sanitary waster	4.0	4.0
		* Rain water drainage	4.0	
		* Energy Supply	4.0	
F.	HVAV+C	Heat generation and distribution systems     Cooling generation and distribution systems	4.0	4.0
	HVAVTC	* Testing, balancing, controls and instrumentation	4.0	4.0
		* Chimney's and vents	4.0	
			4.0	
_		* Sprinklers	4.0	
G.	Fire Protection	* Standpipes	4.0	4.0
		* Hydrants and other fire protection specialties	4.0	
		* Electrical service & distribution	4.0	
		* Lighting & branch wiring (interior & exterior)	4.0	
Н.	Electrical	* Communications & security	4.0	4.0
		* Other electrical system-related pieces such as lightning		
		protection, generators, and emergency lighting	4.0	
		* Equipment related to the function of the facility, including		
l.	Equipment	maintenance or vehicle service equipment		
	Equipment	* For clarity, includes only items valued above \$10,000 and	NA	NA
		related to facility function		
		* Roadways/driveways and associate signage, marking and		
		equipment	3.0	
		* Parking lots and associated signage, marking and equipment	4.0	
		* Pedestrian areas and associated signage, marking and		
J.	Site	equipment	4.0	4.0
		* Site development such as fences, walls and miscellaneous		
		structures	4.0	
		* Landscaping and irrigation	4.0	
		* Site Utilities	5.0	

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3.	T.J. AULT III, MITS STATION	
NO	NTD IDENTIFICATION NUMBER	2053
ORMATI	AGENCY NAME ACRONYM	Muncie Indiana Transit System (MITS)
AGENCY INFORMATION	MAILING ADDRESS	Muncie Indiana Transit System 1300 East Seymour Street Muncie, IN 47302
₹,	URBANIZED AREA	Muncie Urbanized Area, 60625
	FACILITY NAME	T.J. Ault III, MITS Station
<u>(</u>	SECTION OF LARGER FACILITY	NA
PARKING FACILITIES (A-20)	STREET ADDRESS	113 West Main Street Muncie, IN 47302
CILIT	PRIMARY MODE	Motor Bus
NG FA	FACILITY TYPE	Passenger Facility
	YEAR BUILT OR REPLACED	Dedicated September 1987 Remodeled 2002 (300 sq. ft. expansion)
IGER	SQUARE FEET	3,308 sq. ft.
PASSENGER &	PERCENT CAPITAL RESPONSIBILITY	Federal: 80% Local: 20%
	CONDITION ASSESSMENT	3.82
	ESTIMATED DATE OF CONDITION ASSESSMENT	January 2017

# CONSTRUCTION AND EQUIPMENT INFORMATION J. AULT III MITS STATION

SITE AREATOTALS Kiosks/Landscape Turo!. Bus Lames Platform Building

BUILDING AREA TOTALS

Supervisors Booth/Office Drivers Restroom Storage Drivers Room Mechanical Waiting 

7,132 sq. f 12,480 sq. f

5,200 sq. ft 1.008 sq. ft. 27.820 sq. 1t.

TYPE OF CONSTRUCTION:

Reinforced concrete frame, insulated masoury walls, and precast double tee roof system with clastic sheet roofing

Roof mounted combination has heating and electric cooling unit. TYPE OF HEATING/COOLING

Wailing Area - Flourescent strip mounted fix-tures, also natural light from twenty-six 3'x 3' insulated glass block skylights. TYPE OF LIGHTING

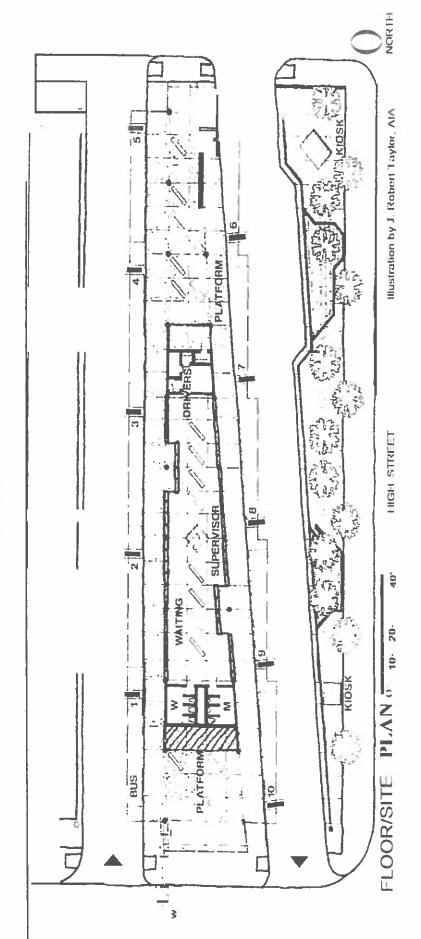
Platform Area - Photo-cell controlled high pressure sodium fixtures, also natural light from eighteen 3°x3' glass block skylights and ten inclined skyliphts

3, 508 sq.

Public address system, electronic display sign. fire alarm system, security system, radio system, comfortable wood bench seating, route and schedule information, vending machines, drinking fountains, and kiosk vending aom OTHER EQUIPMENT/AMENITIES

CONSTRUCTION CONTRACTORS
Baystone Construct for the Owen Hirklin and Sons, Inc.

Architect TAYLOR ARCHITECTS INC



### T.J. Ault III MITS Station

ID#	COMPONENTS	SUB-COMPONENTS	SUB- COMPONENT	COMPONENT RATING
	1	* Foundations: Walls, columns, pilings other structural	RATING	
Α.	Substructure	* Basement: Materials, insulation, slab, floor underpinnings	4.0 NA	4.0
			- <del>-</del>	
:		* Superstructure/structural frame: columns, pillars, walls     * Roof: Roof Surface, gutters, eaves, skylights, chimney	3.0	
		surrounds	5.0	
B.	Shell	* Exterior: Windows, doors, and all finishes (paint, masonry)	3.0	3.75
		* Shell Appurtenances: Balconies, fire escapes, gutters, downspouts	4.0	
		Partitions: walls, interior doors, fittings such as signage     Stairs: Interior stairs and landings	3.0	
C.	Interiors	* Finishes: Materials used on walls, floors, and ceilings	NA A C	3.5
		This component covers all interior spaces, regardless of use	4.0	
			<u> </u>	
		* Elevators	NA	
D.	Conveyance	* Escalators	NA	NA
		* Lifts: any other such fixed apparatuses for the movement of goods or people	NA	
		* Fixtures	2.0	
_	Olemakia a	* Water distribution	4.0	
E.	Plumbing	* Sanitary waster	3.0	3.3
		* Rain water drainage	4.0	
		* Energy Supply	F.0	
		* Heat generation and distribution systems	5.0	
F.	HVAV+C	* Cooling generation and distribution systems	5.0	4.0
	WAY.C	* Testing, balancing, controls and instrumentation	5.0	4.8
		* Chimney's and vents	4.0	
			4.0	
		* Sprinklers	4.0	
G.	Fire Protection	* Standpipes	4.0	4.0
		* Hydrants and other fire protection specialties	4.0	
		* Electrical service & distribution	4.0	
		* Lighting & branch wiring (interior & exterior)	5.0	
Н.	Electrical	* Communications & security	4.0	4.3
		<ul> <li>Other electrical system-related pieces such as lightning protection, generators, and emergency lighting</li> </ul>	4.0	
1.		* Equipment related to the function of the facility, including		
	Equipment	maintenance or vehicle service equipment	- NA	NA
		* For clarity, includes only items valued above \$10,000 and related to facility function		
		* Roadways/driveways and associate signage, marking and equipment	3.0	
		* Parking lots and associated signage, marking and equipment	3.0	
		* Pedestrian areas and associated signage, marking and	3,0	
J.	Site	equipment	3.0	3.0
J.			3.0	3.0
J.		5 Site development such as fences, walls and miscellaneous		
J.		* Site development such as fences, walls and miscellaneous structures	3.0	
J.			3.0	

### 5. <u>INVESTMENT PRIORITIES</u>

Every asset listed in the previous inventories contribute to meeting MITS' goals and objectives. With funding limited and inconsistent, it is important to identify and prioritize capital improvement projects so available funding can be utilized effectively to maintain those assets in a state of good repair. Factors considered important in determining MITS' investment priorities include: (1) safety and security; (2) reliability; (3) operations and maintenance impact; (4) customer experience; (5) asset condition; and (6) technological advances.

MITS has determined that the six factors impact each of the three asset categories in different ways and require different methods of defining state of good repair and investment prioritization. Rolling stock assets support an age-based system where vehicles should be scheduled for replacement beyond a certain maximum age. Equipment assets are supportive of a condition based system where replacement is warranted once inspections identify deteriorated condition. Finally, facility assets require a more comprehensive assessment to make a condition assessment as described in the five-point scale used by FTA's Transit Economic Requirements Model (TERM). This comprehensive assessment combines age, condition inspection, performance and maintenance history. MITS will use FTA's guidelines as required for facility assessment (See Appendix 'C').

### 1. Rolling Stock

Excellent - New and/or major components under warranty.

Good - Equal to or less than one half the minimum normal service life, but

major components out of warranty.

Adequate - Greater than one half the minimum normal service life, but less

than the minimum normal service life.

Marginal - Equal to or greater than the minimum normal service life, but less

than the useful life benchmark.

Poor - Equal to or greater than the useful life benchmark.

Note: See Appendices 'A' and 'B'

### 2. Equipment

Excellent - New and/or under warranty.

Good - Issues can be addressed through routine maintenance.

Adequate - Repairs are needed and shows signs of deterioration, but

functioning as intended.

Marginal - More substantial part replacement and/or repair is frequent. No

safety issues but reliability and cost impact evident.

Poor - Critical defects evident that effect performance/function.

Condition merits replacement rather than repair.

### 3. Facilities

Excellent (5) New or like new; no visible defects, no damage, cosmetically

looks new. An asset is only new once, after rebuild some old parts are not new and therefore the highest score after rebuild is (4.5).

Good (4) Shows minimal signs of wear, no major defects, and some minor

defects with only minimal signs of deterioration.

Cosmetic defects/minor wear

Adequate (3.0) Some moderately defective or deteriorated components; expected

maintenance needs. Cosmetically "fair" but all devices are

functioning as designed.

Small repairs and/or minor refurbishment

Marginal (2.0) Asset near overhaul or retirement, but in serviceable condition.

Asset has increasing number of defects or deteriorated

component(s).

Significant and/or multiple repairs needed

Poor (1.0) Asset is in need of major repair or refurbishment, multiple minor

defects or major defects. Evidence of corrosion may be apparent; major or numerous minor areas of damage or structural issues.

Safety concern, critical damage, close to or time for overhaul

or replacement

### 6. FIVE YEAR ASSET INVESTMENT PROGRAM

### 1. FISCAL YEAR 2019 PROJECTS

1.1 Project 2019 (MITS-1)

Description: Replace four (4) heavy-duty fixed route transit buses (diesel,

hybrid, electric)

Cost: \$1,800,000 diesel; \$2,400,000 hybrid; \$3,400,000 electric

Need: The four (4) buses to be replaced were placed in service in

2005. The Federal Transit Administration's Circular

9030.1C defines the minimum normal service life of a heavy-duty 35 foot transit bus as 12 years or 500,000 miles. All four (4) buses to be replaced have exceeded their minimum normal service life in accordance with the circular and their

useful life benchmark.

Benefit: The regularly scheduled replacement of transit buses that

have exceeded their minimum normal service life

significantly reduces maintenance costs, improves service delivery and reliability, decreases the potential for accidents

and injury conserves energy, improves air quality and

promotes a positive image and improved usage of the transit

system.

Priority: High

### 1.2 Project 2019 (MITS-2)

Description: Replace two (2) supervisors' vehicles

Cost: \$60,000

Need: The vehicles to be replaced were placed in service in 2006

and 2009. These are a 4-wheel drive vehicles used to provide

road supervision for MITS fixed route and paratransit services in all types of weather and conditions. This is critical to insure the operation of safe, reliable service to MITS' patrons and providing assistance to vehicle operators

in difficult or emergency situations.

Benefit: The regularly scheduled replacement of supervisor's vehicle

improves service delivery and reliability, increases safety and

security, and improves response time to emergency

situations.

Priority: High

### 1.3 Project 2019 Funding Needs

	<u>Diesel</u>	<u>Hybrid</u>	Electric
Project 2019 (MITS-1) Project 2019 (MITS-2)	\$1,800,000 \$60,000	\$2,400,000 \$60,000	\$3,400,000 \$60,000
Total	\$1,860,000	\$2,460,000	\$3,460,000

### 1.4 <u>Fiscal Year 2019 Funding Sources</u>

Federal Section 5339		\$1,452,000	\$1,932,000	\$2,732,000
Federal Section 5310		\$48,000	\$48,000	\$48,000
Local		\$360,000	\$480,000	\$680,000
	Total	\$1,860,000	\$2,460,000	\$3,460,000

### 2. FISCAL YEAR 2020 PROJECTS

2.1 Project 2020 (MITS-1)

Description: Replace five (5) heavy-duty fixed route transit buses (diesel,

hybrid, electric)

Cost: \$2,250,000 diesel; \$3,000,000 hybrid; \$4,250,000 electric

Need: The five (5) buses to be replaced were placed in service in

2005. The Federal Transit Administration's Circular

9030.1C defines the minimum normal service life of a heavy-duty 35 foot transit bus as 12 years or 500,000 miles. All five (5) buses to be replaced have exceeded their minimum normal service life in accordance with the circular and their

useful life benchmark.

Benefit: The regularly scheduled replacement of transit buses that

have exceeded their minimum normal service life

significantly reduces maintenance costs, improves service delivery and reliability, decreases the potential for accidents

and injury conserves energy, improves air quality and

promotes a positive image and improved usage of the transit

system.

Priority: High

### 2.2 Project 2020 (MITS-2)

Description: Remove and replace roof with new insulation and single -ply

membrane at MITS Administrative and Operating

Headquarters.

Cost: \$400,000

Need: The MITS' Administrative and Operating Headquarters was

dedicated on February 18, 1986. The existing roof

membrane has developed numerous leaks and is showing

signs of non-reparable deterioration.

Benefit: The replacement of the roof with new insulation and

membrane will preserve the integrity of the facility and

conserve energy.

Priority: High

### 2.3 Project 2020 Funding Needs

	<u>Diesel</u>	<u>Hybrid</u>	<u>Electric</u>
Project 2020 (MITS-1) Project 2020 (MITS-2)	\$920,000 \$400,000	\$1,220,000 \$400,000	\$1,700,000 \$400,000
Total	\$1,320,000	\$1,620,000	\$2,100,000

### 2.4 Fiscal Year 2020 Funding Sources

Federal Section 5339		\$1,056,000	\$1,296,000	\$1,680,000
Local		\$264,000	\$324,000	\$420,000
	Total	\$1,320,000	\$1,620,000	\$2,100,000

### 3. FISCAL YEAR 2021 PROJECTS

3.1 Project 2021 (MITS-1)

Description: Replace three (3) heavy-duty fixed route transit buses (diesel,

hybrid, electric)

Cost: \$1,380,000 diesel; \$1,830,000 hybrid; \$2,550,000 electric

Need: The three (3) buses to be replaced were placed in service in

2005. The Federal Transit Administration's Circular

9030.1C defines the minimum normal service life of a heavy-duty 35 foot transit bus as 12 years or 500,000 miles. All three (3) buses to be replaced have exceeded their minimum normal service life in accordance with the circular and their

useful life benchmark.

Benefit: The regularly scheduled replacement of transit buses that

have exceeded their minimum normal service life

significantly reduces maintenance costs, improves service delivery and reliability, decreases the potential for accidents

and injury conserves energy, improves air quality and

promotes a positive image and improved usage of the transit

system.

Priority: Critical

### 3.2 Project 2021 (MITS-2)

Description: Replace one (1) maintenance service truck.

Cost: \$45,000

Need: The vehicle to be replaced was placed in service in 2009.

The age and condition of this vehicle restricts the

maintenance department's availability to address road call or

other on-street vehicle mechanical failures.

Benefit: The regularly scheduled replacement of service vehicles

improves the performance of maintenance functions, prolongs equipment and facilities, and increase service

reliability.

Priority: High

### 3.3 <u>Project 2021 (MITS-3)</u>

Description: Replace one (1) hybrid supervisor's vehicle

Cost:

\$35,000

Need:

The vehicle to be replaced was placed in service in 2011. This is a 4-wheel drive vehicle used to provide road supervision for MITS fixed route and paratransit services in all types of weather and conditions. This is critical to insure the operation of safe, reliable service to MITS' patrons and providing assistance to vehicle operators in difficult or

emergency situations.

Benefit:

The regularly scheduled replacement of supervisor's vehicle improves service delivery and reliability, increases safety and

security, and improves response time to emergency

situations.

Priority:

High

### 3.4 Project 2021 Funding Needs

	<u>Diesel</u>	<u>Hybrid</u>	Electric
Project 2021 (MITS-1)	\$1,380,000	\$1,830,000	\$2,550,000
Project 2021 (MITS-2)	\$45,000	\$45,000	\$45,000
Project 2021 (MITS-3)	\$35,000	\$35,000	\$35,000
Total	\$1,460,000	\$1,910,000	\$2,630,000

### 3.5 Fiscal Year 2021 Funding Sources

Federal Section 5339		\$1,104,000	\$1,464,000	\$2,040,000
Federal Section 5307		\$64,000	\$64,000	\$64,000
Local		\$292,000	\$384,000	\$52,000
	Total	\$1,460,000	\$1,910,000	\$2,630,000

### 4. FISCAL YEAR 2022 PROJECTS

4.1 Project 2022 (MITS-1)

Description: Replace two (2) light-duty paratransit vehicles (propane)

Cost: \$220,000

Need: The two (2) paratransit vehicles be replaced were placed in

service in 2015. The Federal Transit Administration's

Circular 9030.1C defines the minimum normal service life of

a small bus as 4 years or 100,000 miles. The two (2) paratransit vehicles to be replaced have exceeded their

minimum normal service life in terms of both years and miles and their useful life benchmark before they are removed from

service.

Benefit: The regularly scheduled replacement of paratransit vehicles

that have exceeded their minimum normal service life significantly reduces operation and maintenance costs and improves service delivery and reliability, decreases the potential for accidents and injury, and supports the continued

compliance with ADA requirements.

Priority: High

4.2 Project 2022 (MITS-2)

Description: Replace two (2) heavy-duty fixed route transit buses (diesel,

hybrid, electric)

Cost: \$920,000 diesel; \$1,220,000 hybrid; \$1,700,000 electric

Need: The two (2) buses to be replaced were placed in service in

2007. The Federal Transit Administration's Circular

9030.1C defines the minimum normal service life of a heavy-

duty 35 foot transit bus as 12 years or 500,000 miles. The two (2) buses to be replaced have exceeded their minimum normal service life in accordance with the circular and their useful life benchmark.

Benefit:

The regularly scheduled replacement of transit buses that have exceeded their minimum normal service life significantly reduces maintenance costs, improves service delivery and reliability, decreases the potential for accidents and injury conserves energy, improves air quality and promotes a positive image and improved usage of the transit system.

Priority:

Critical

### 4.3 Project 2022 Funding Needs

	<u>Diesel</u>	<u>Hybrid</u>	Electric
Project 2022 (MITS-1) Project 2022 (MITS-2)	\$920,000 \$220,000	\$1,220,000 \$220,000	\$1,700,000 \$220,000
Total	\$1,140,000	\$1,440,000	\$9,920,000

### 4.4 Fiscal Year 2022 Funding Sources

Federal Section 5339		\$736,000	\$976,000	\$1,360,000
Federal Section 5310		\$176,000	\$176,000	\$176,000
Local		\$228,000	\$288,000	\$384,000
	Total	\$1,140,000	\$1,440,000	\$1,920,000

### 5. FISCAL YEAR 2023 PROJECTS

5.1 Project 2023 (MITS-1)

Description: Replace three (3) heavy-duty fixed route transit buses (diesel,

hybrid, electric)

Cost: \$1,380,000 diesel; \$1,830,000 hybrid; \$2,550,000 electric

Need: The three (3) buses to be replaced were placed in service in

2007. The Federal Transit Administration's Circular

9030.1C defines the minimum normal service life of a heavy-duty 35 foot transit bus as 12 years or 500,000 miles. The three (3) buses to be replaced have exceeded their minimum normal service life in accordance with the circular and their

useful life benchmark.

Benefit: The regularly scheduled replacement of transit buses that

have exceeded their minimum normal service life

significantly reduces maintenance costs, improves service delivery and reliability, decreases the potential for accidents

and injury conserves energy, improves air quality and

promotes a positive image and improved usage of the transit

system.

Priority: Critical

5.2 Project 2023 (MITS-2)

Description: Replace two (2) light-duty paratransit vehicles (propane)

Cost: \$220,000

Need:

The two (2) paratransit vehicles be replaced were placed in service in 2017. The Federal Transit Administration's Circular 9030.1C defines the minimum normal service life of a small bus as 4 years or 100,000 miles. The two (2) paratransit vehicles to be replaced have exceeded their minimum normal service life in terms of both years and miles and their useful life benchmark before they are removed from service.

Benefit:

The regularly scheduled replacement of paratransit vehicles that have exceeded their minimum normal service life significantly reduces operation and maintenance costs and improves service delivery and reliability, decreases the potential for accidents and injury, and supports the continued compliance with ADA requirements.

Priority:

High

### 5.3 Project 2023 Funding Needs

	<u>Diesel</u>	<u>Hybrid</u>	Electric
Project 2023 (MITS-1) Project 2023 (MITS-2)	\$1,380,000 \$220,000	\$1,830,000 \$220,000	\$2,550,000 \$220,000
Total	\$1,600,000	\$2,0500,000	\$2,770,000

### 5.4 Fiscal Year 2023 Funding Sources

Federal Section 5339		\$1,104,000	\$1,464,000	\$2,040,000
Federal Section 5310		\$176,000	\$176,000	\$176,000
Local		\$320,000	\$410,000	\$554,000
	Total	\$1,600,000	\$2,050,000	\$2,770,000

### 7. FIVE YEAR INVESTMENT FUNDING NEEDS

	OPTION	1 (DIESEL)	
YEAR	FEDERAL	LOCAL	TOTAL
2019	\$1,500,000	\$360,000	\$1,860,000
2020	\$1,056,000	\$264,000	\$1,320,000
2021	\$1,168,000	\$292,000	\$1,460,000
2022	\$912,000	\$228,000	\$1,140,000
2023	\$1,280,000	\$320,000	\$1,600,000
TOTALS	\$5,916,000	\$1,464,000	\$7,380,000

	OPTION 2 (HYBRID)				
YEAR	FEDERAL	LOCAL	TOTAL		
2019	\$1,980,000	\$480,000	\$2,460,000		
2020	\$1,296,000	\$324,000	\$1,620,000		
2021	\$1,528,000	\$382,000	\$1,910,000		
2022	\$1,152,000	\$288,000	\$1,440,000		
2023	\$1,640,000	\$410,000	\$2,050,000		
TOTALS	\$7,596,000	\$1,884,000	\$9,480,000		

	OPTION 3 (ELECTRIC)				
YEAR	FEDERAL	LOCAL	TOTAL		
2019	\$2,780,000	\$680,000	\$3,460,000		
2020	\$1,680,000	\$420,000	\$2,100,000		
2021	\$2,104,000	\$526,000	\$2,630,000		
2022	\$1,536,000	\$384,000	\$1,920,000		
2023	\$2,216,000	\$554,000	\$2,770,000		
TOTALS	\$10,316,000	\$2,564,000	\$12,880,000		

### APPENDIX 'A'

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- f. Minimum Useful Life of Federally Assisted Property. FTA provides a minimum useful life policy for capital rolling stock, trolleys, ferries, and facilities in this circular. If property is prematurely withdrawn from service, FTA must be immediately notified (See Section 4.o.(3) of this Chapter, "Disposition or Inappropriate Use Before the End of the Asset's Useful Life").
- (1) <u>Determining Minimum Useful Life for Federally Assisted Property</u>. The recipient should identify the method used to determine the minimum useful life. Acceptable methods to determine minimum useful life include but are not limited to:
  - (a) Generally accepted accounting principles;
  - (b) Independent evaluation;
  - (c) Manufacturer's estimated useful life;
  - (d) Internal Revenue Service guidelines;
  - (e) Industry standards
  - (f) Recipient experience;
  - (g) The recipient's independent auditor who needs to provide his or her concurrence that the useful life assigned to the property is reasonable for depreciation purposes; and
  - (h) Proven useful life developed at a federal test facility.
- (2) FTA Minimum Useful Life Policy for Rolling Stock and Ferries. The useful life of rolling stock and ferries begins on the date the vehicle is placed in revenue service and continues until it is removed from revenue service. The minimum useful life in years refers to total time in transit revenue service, not time spent stockpiled or otherwise unavailable for regular transit use. The minimum useful life in miles refers to total miles in transit revenue service. Non-revenue miles and periods of extended removal from service do not count towards useful life. Changes in operating circumstances, including unforeseen difficulty maintaining vehicles, FTA C 5010.1E Page IV-25 higher cost of fuel, and changes in local law limiting where vehicles can be operated do not excuse minimum useful life requirements.

Recipients of federal assistance need to specify the expected minimum useful life in invitations for bids when acquiring new vehicles. Minimum useful life is determined by years of service or accumulation of miles whichever comes first, by asset type as follows:

- (a) Buses:
  - Large, heavy-duty transit buses including over-the-road buses (approximately 35' 40' or larger including articulated buses):

At least 12 years of service or an accumulation of at least 500,000 miles.

- 2 Small size, heavy-duty transit buses: At least 10 years or an accumulation of at least 350,000 miles.
- 3 Medium-size, medium-duty transit buses: At least seven years or an accumulation of at least 200,000 miles.
- 4 Medium-size, light-duty transit buses: At least five years or an accumulation of at least 150,000 miles.

(b) Light Duty Vehicles: Other light-duty vehicles used as equipment and to transport passengers (revenue service), such as regular and specialized vans, sedans, and light-duty buses including all bus models exempt from testing in the current 49 CFR part 665:

At least four years or an accumulation of at least 100,000 miles.

### (c) Trolleys:

The term "trolley" is often applied to a wide variety of vehicles. Thus, the useful life depends on the type of trolley. FTA classifies trolleys and the suggested useful life as described below. For disposition actions, FTA will use the following minimum useful life determinations:

- 1 A fixed guideway steel-wheeled "trolley" (streetcar or other light rail vehicle): At least 25 years,
- A fixed guideway electric trolley-bus with rubber tires obtaining power from overhead catenary: At least 15 years, and Page IV-26 FTA C 5010.1E
- 3 Simulated trolleys, with rubber tires and internal combustion engine (often termed "trolley-replica buses"). Please refer to bus useful life criteria above.
- (d) Rail Vehicles. At time of application, the recipient may propose an alternative useful life to be reviewed by FTA. A recipient that regularly measures lifespan by hours of operations, or by any other measure, may develop an appropriate methodology for converting its system to years of service. The reasonableness of such methodologies will be subject to examination, particularly if the recipient proposes to retire a rail vehicle before reaching FTA's useful life. At least 25 years.
- (e) Ferries. The useful life of a ferry depends on several factors, including the type and use of the ferry. FTA recommends using one of the methods outlined in Chapter IV, subsection 4.f.(1) above or offers the following suggested minimum service lives: 1 Passenger ferries: At least 25 years, 2 Other ferries (without overhaul): At least 30 years, and 3 Other ferries (with overhaul): At least 60 years.
- (f) Facilities. Determining the useful life of a facility must take into consideration such factors as the type of construction, nature of the equipment used, historical usage patterns, and technological developments. Based on any of the methods identified above in Chapter IV, Paragraph 4.f(1), a railroad or highway structure has a minimum useful life of 50 years, and most other buildings and facilities (concrete, steel, and frame construction) have a useful life of 40 years.

### APPENDIX 'B'

### Default Useful Life Benchmark (ULB) Cheat Sheet

Source: 2017 Asset Inventory Module Reporting Manual, Page 53

Transit Agencies will report the age of all vehicles to the National Transit Database. FTA will track the performance of revenue vehicles (Rolling Stock) and service vehicles (Equipment), by asset class, by calculating the percentage of vehicles that have met or exceeded the useful life benchmark (ULB).

FTA has set a default ULB as the expected service years for each vehicle class in the table below. ULB is the average age-based equivalent of a 2.5 rating on the FTA Transit Economic Requirements Model (TERM) scale. Transit agencies can adjust their Useful Life Benchmarks with approval from FTA.

	Vehicle Type	Default ULB (in years)
AB	Articulated Bus	14
AG	Automated Guideway Vehicle	31
AO	Automobile	8
BR	Over-The-Road-Bus	14
BU	Bus	14
CC	Cable Car	112
CU	Cutaway Bus	10
DB	Double Decked Bus	14
FB	Ferryboat	42
HR	Heavy Rail Passenger Car	31
IP	Inclined Plane Vehicle	56
LR	Light Rail Vehicle	31
MB	Minibus	10
MO	Monorail Vehicle	31
MV	Minivan	8
	Other Rubber Tire Vehicles	14
RL	Commuter Rail Locomotive	39
RP	Commuter Rail Passenger Coach	39
RS	Commuter Rail Self-propelled Passenger Ca	ır 39
RT	Rubber-tired Vintage Trolley	14
SB	School Bus	14
	Steel Wheel Vehicles	25
SR	Streetcar	31
SV	Sport Utility Vehicles	8
TB	Trolleybus	13
TR	Aerial Tramway	12
VN	Van	8
VT	Vintage Trolley	58

### APPENDIX 'C'

The following is a summary of the facility condition assessment requirements.

Facility Condition Assessment Requirements

- Transit agencies reporting to the NTD are required to report the overall condition of each administrative, maintenance and passenger facility listed in the NTD Asset Inventory Module.
- Transit agencies must update facility conditions every three years at a minimum.
- The overall condition of a facility is specified using the following scale:
  - 5 Excellent
  - 4 Good
  - 3 Adequate
  - 2 Marginal
  - I Fair

Note that a facility is deemed to be in good repair if it has a condition rating of 3, 4, or 5 on this scale and is deemed to not be in good repair if it has a rating of 1 or 2.

- To establish the overall condition of a facility an agency must first assess the condition of major facility components, and then aggregate the component level data to obtain an overall condition rating.
- Major facility components include:
  - Substructure
  - Shell
  - Interiors
  - Conveyance (Elevators and Escalators)
  - Plumbing
  - HVAC
  - Fire Protection
  - Electrical
  - Equipment (Administrative and Maintenance Facilities only)
  - Fare Collection (Passenger Facilities only)
  - Site
- Component-level conditions are aggregated to obtain an overall condition for the facility. Alternative approaches are provided for aggregation depending on data availability.

It is recommended that agencies document their procedures for performing condition assessments, including procedures for performing inspections, and assuring/controlling data quality. Similar to other aspects on an agency's activities related to NTD reporting, these procedures may be subject to review by FTA.

FTA Facility Condition Assessment Guidebook 10 2.3 Summary. The following is a summary of the facility condition assessment requirements described above. Facility Condition Assessment Requirements. Transit agencies reporting to the NTD are required to report the overall condition of each administrative, maintenance and passenger facility listed in the NTD Asset Inventory Module. Transit agencies must update facility conditions every three years at a minimum.

The overall condition of a facility is specified using the following scale:

- 5 Excellent
- 4 Good
- 3 Adequate
- 2 Marginal
- 1 Fair
- Note that a facility is deemed to be in good repair if it has a condition rating of 3, 4 or 5 on this scale and is deemed to not be in good repair if it has a rating of 1 or 2.

To establish the overall condition of a facility an agency must first assess the condition of major facility components, and then aggregate the component level data to obtain an overall condition rating.

Major facility components include:

- Substructure
- Shell
- Interiors
- Conveyance (Elevators and Escalators)
- Plumbing
- HVAC
- Fire Protection
- Electrical
- Equipment (Administrative and Maintenance Facilities only)
- Fare Collection (Passenger Facilities only)
- Site

Component-level conditions are aggregated to obtain an overall condition for the facility. Alternative approaches are provided for aggregation depending on data availability. It is recommended that agencies document their procedures for performing condition assessments, including procedures for performing inspections, and assuring/controlling data quality. Similar to other aspects of an agency's activities related to NTD reporting, these procedures may be subject to a review by FTA.

### APPENDIX 'D'

	CONDITION INSPECTION GUIDELINES
1. Building Roof	
Equipment	Task
	HVAC – Inspect unit for any visible damage, leaks or excessive corrosion
	Inspect any roof-mounted building structures including storage and workshop areas
	Exhaust fans – look/listen for damage and weather related plenum deterioration
Roof/Mechanical	If equipped, look for missing parts and listen for strange noises coming from the methane evacuation pumps
	Inspect any plumbing and drainage for damage, leaks, or missing components including strainers
	Check skylights for hail damage and boiler flues for damage and proper anchoring
	Inspect all electrical components including conduit, boxes, solar panels and mountings, lightning arresters an cabling, for any damage, wire chaffing, loose or corroded connections
Roof/Structural	Inspect stem walls and walls for missing flashing, broken brick. Crumbling concrete or other physical damage.
	Check ladders, catwalks and stairs for damage, corrosion and insecure mounting
	Inspect exposed rubber membrane for indications of having been breached
Roof/Surfaces	Look for missing or crumbling roof tiles and uneven pea gravel distribution
	Check flashing and hardware for damage, and painted or coated surfaces for needing renewed
	Check for broken or missing roof tiles. Look for excessive vegetation growing in the cracks
2. Building Shell	
	Inspect down spouts and electrical conduit and boxes for impact damage or missing parts
Building Shell/Mechanical	Look at exterior lighting for secure mounting
	View the roll-up doors for being out of their tracks and for worn/tattered bottom edges

	Visually inspect electrical boxes, plumbing, chemical tanks, wash
5. Vehicle Wash Bay & Fu	
	Check any painted or coated surfaces for fading, peeling or otherwise in need of repair
	Note any damaged, dead or dying trees and shrubbery
Grounds & Landscape/Surfaces	See that there is adequate mulch coverage that is fairly evenly distributed
Grounds & Landscape/Structural	Look around for large areas of dying grass and weed overgrowth
	Check for ineffective landscape drainage
	Look at the sidewalks for cracking, heaving, and settling or other potential tripping hazards
	Note damaged curbing
	Inspect fencing for bent and insecure posts or piping and distorted chain link
	Look for missing or crushed sprinkler heads
	Note any damage or corrosion to conduit and electrical boxes. Inspect plumbing for corrosion and indications of leaks
Grounds & Landscape/Mechanical	Check lighting fixtures and poles for damage
	Look at the picnic tables and benches for being intact and secure
	or damaged wheels on roller gates
7. Grounus & Lanuscape	Inspect gates for secure mounting, vehicle damage, and missing hardward
4. Grounds & Landscape	Note the striping and handicap parking indicators' condition
Parking Lots/Surfaces	Check the asphalt surfaces for pot holes, wide cracks and "alligatoring"
	Visually inspect parking blocks for dislocation and Ballard post for vehicle damage
Parking Lots/Structural	Inspect concrete for severe settling/cracking and curbs for damage
	Look for physical damage to plumbing, electrical conduit and boxes
Parking Lots/Mechanical	Inspect lighting for lamp heads that are damaged and poles that are badly corroded, have fallen, or are leaning
3. Parking Lots	
Building Shell/Surfaces	Inspect paint, coatings, siding, concrete or masonry for deterioration
Danding Shell/Structural	Look at foundations, columns, and pillars for deterioration and indications of shifting or settling
Building Shell/Structural	Inspect walls for crumbling and severe cracking
	Check for broken windows and any damaged/corroded plumbing

Vehicle Wash Bay & Fuel Island/Mechanical	components, fuel dispensers, and vacuum systems for obvious signs of damage, wear or disrepair		
	Inspect lighting fixtures for proper mounting/suspension		
	Check roll-up doors for frayed edges and being out of their tracks		
	Look at ventilation ducting for damage or joint separation		
	Drains should have strainer on them and not clogged		
	Check vehicle lifts for damage or missing parts		
	Note the clarity and legibility of the area's signage		
	Inspect walls, columns, and pillars for cracking, crumbling or corrosion		
Vehicle Wash Bay & Fuel Island/Structural	View the foundation and floors. Note any signs of shifting, heaving or		
	settling		
Vehicle Wash Bay & Fuel Island/Surfaces	Inspect paint and coatings for peeling and for missing/damaged wall tiles		
	Ensure that the floor gates are not damaged		
6. Administration Offices	6. Administration Offices & Break Room		
	Do a brief visual check on the lighting fixtures, exposed electrical conduit and boxes		
Administration Offices & Break Room/Mechanical	Look for signs of leaking plumbing		
	Doors should be square in their frames and windows free from broken panes		
	Ask occupants about any known problems in their area that we should be aware of		
Administration Offices & Break Room/Structural	Inspect walls for water damage		
	Notice if the floors feel uneven or not level		
	Stairs should feel solid and if made of concrete, not crumbling or have any trip hazards		
	Look at the foundations that may be exposed for shifting or settling		

Administration Offices & Break Room/Surfaces	Inspect floor tiles and carpeting for severe wear and tear
	Look at drywall and ceiling tiles for crumbling or signs of water damage that could be from leaking plumbing or storm water
	Note paint and other coatings that are in need of renewal
7. Maintenance Shop	
Maintenance Shop/Mechanical	Inspect electrical conduit, fixtures and boxes for physical damage and corrosion
	Look for damaged or leaking plumbing
	Doors are to be square in their frames and hardware tight
	Check ventilation ducts for distortion and separation
	Drains need to be intact and unobstructed
	Vehicle lifts should show none-to-minimal signs of hydraulic leakage or other damage
	Inspect walls for major cracks or other indications of shifting
Maintenance Shop/Structural	Look for signs of settling floors such as gaps along walls and curbing, or cracks that pose a tripping hazard
	Check foundations, columns and pillars for concrete deterioration, vehicle damage, or signs of movement
	Look for indications of water leaking from the ceiling
	Note paint and epoxy coatings that are in need of renewal
Maintenance Shop/Surfaces	party country to a series and the series of tollewal
	Concrete flooring should be relatively smooth and free from large areas of spalling
8. Storeroom & Parts Stor	<u></u>
Storeroom & Parts Storage/Mechanical	Inspect electrical conduit, fixtures and boxes for physical damage and corrosion
	Look for damaged or leaking plumbing
	Doors are to be square in their frames and hardware, tight
	Check ventilation ducts for distortion and separation
	Drains need to be intact and unobstructed
Storeroom & Parts Storage/Structural	Inspect stairwell walls for major cracking
	Steps should not shift under load or pose any tripping hazards
	Framework of metal stairs needs to be solid with no broken welds or severe corrosion

	Handrails used in stairways need to be solidly mounted and present no sharp edges
Storeroom & Parts Storage/Surfaces	Note paint and glazed coatings that are in need of renewal
	Check for excessively worn carpet, floor tiling, or traction strips
	Look for perturbances on the surface that may cause a tripping hazard
9. Stairs & Stairways	
7. Stairs & Stairways	
Stairs & Stairways/Mechanical	Inspect electrical conduit, fixtures, and boxes for damage or corrosion
	Note any plumbing that is damaged or leaking in stairwell areas
	Doors need to be square in their frames and hardware, tight
	Check ventilations ducts for distortion and separation
	Drains need to be intact and unobstructed
Stairs/Stairways/Structural	Inspect stairwells walls for major cracking
	Steps should not shift under load or pose any tripping hazards
	Framework of metal stairs need to be solid with no broken welds or severe corrosion
	Handrails used in stairways need to solidly mounted and present no sharp edges
Stairs/Stairways/Surfaces	Note paint and glazed coatings that are in need of renewal
	Check for excessively worn carpet, floor tiling, or traction strips
	Look for perturbances on the surface that may cause a tripping hazard